

WHAT IS CLAIMED IS:

1. A toroidal-type continuously variable transmission, comprising:

5 a pair of input and output disks each including a first traction surface;

power rollers each including a second traction surface and respectively interposed between the first traction surfaces of the input and output disks;

10 an oil passage for guiding lubricating oil to the traction surfaces of the power rollers, input disk and output disk; and, a mesh filter disposed on the exit side of the associated oil passage.

15 2. The toroidal-type continuously variable transmission as set forth in Claim 1, further including a magnet member disposed in the associated oil passage.

3. The toroidal-type continuously variable transmission as set forth in Claim 1, further including an oil collecting portion disposed below the power rollers and input and output disks, and cover members respectively disposed so as to cover the lower portions of the associated input and output disks.

4. The toroidal-type continuously variable transmission as set forth in Claim 1, further including:

a plurality of trunnions respectively swingable about the associated trunnion shafts disposed at twisted positions
5 with respect to the center axes of the input and output disks;

a pair of links for connecting together the associated trunnions;

a support post for supporting the associated link so as to be shifted;

10 a stopper for restricting the movements of the associated trunnions;

a bolt member for fixing the associated stopper to the support post and including a hole extended from the leading end of the shaft portion thereof near to the head portion thereof;

15 and,

an injection head fixed by the associated bolt member together with the associated stopper and including an injection hole in the outer peripheral surface thereof,

wherein each of the oil passages is formed in the associated
20 bolt member and each of the mesh filters is mounted on a step formed in a hole portion formed in the bolt member.

5. The toroidal-type continuously variable transmission as set forth in Claim 4, further including a magnet
25 member disposed in the oil passage of the bolt member.

6. The toroidal-type continuously variable transmission as set forth in Claim 1, further including displacement shafts for supporting the associated power roller 5 rotatably and each including a passage and an injection hole, wherein the oil passage is the passages of the associated displacement shafts, and the mesh filter is mounted on a step formed in a hole portion situated near to the injection hole of the associated passage.

10

7. The toroidal-type continuously variable transmission as set forth in Claim 6, wherein the magnet member is disposed in the passages of the associated displacement shafts.

15

8. The toroidal-type continuously variable transmission as set forth in Claim 1, further including a drive shaft member, wherein the oil passage is formed in the drive shaft member and the mesh filter is mounted on the leading end 20 of the drive shaft member.

9. The toroidal-type continuously variable transmission as set forth in Claim 8, further including an input shaft, wherein the magnet member is disposed on the input shaft.

25

10. A toroidal-type continuously variable transmission, comprising:

a pair of input and output disks each including a first traction surface;

5 power rollers each including a second traction surface and respectively interposed between the first traction surfaces of the input and output disks;

an oil passage for guiding lubricating oil to the traction surfaces of the power rollers, input disk and output disk; and,

10 a magnet member disposed in the associated oil passages.

11. The toroidal-type continuously variable transmission as set forth in Claim 10, further including:

a plurality of trunnions respectively swingable about 15 the associated trunnion shaft disposed at twisted position with respect to the center axes of the input and output disks;

a pair of links for connecting together the associated trunnions;

20 a support post for supporting the associated pair of links so as to be shifted;

a stopper for restricting the movement of the associated trunnion;

25 a bolt member for fixing the associated stopper to the associated support post and each including a hole extended from the leading end of the shaft portion thereof near to the head

portion thereof; and,

a injection head fixed by the associated bolt member together with the associated stopper and including an injection hole in the outer peripheral surface thereof,

5 wherein the oil passage is formed in the associated bolt member and a magnet member is disposed in the oil passage of the associated bolt member.

12. The toroidal-type continuously variable
10 transmission as set forth in Claim 10, further including:

an oil collecting portion formed below the power rollers and input and output disks; and,

a cover member for covering the lower portion of the associated input and output disks.

15

13. A toroidal-type continuously variable transmission,
comprising:

a pair of input and output disks each including a first traction surface;

20 power rollers each including a second traction surface and respectively interposed between the first tractions of the input and output disks;

an oil collecting portion formed below the power rollers and input and output disks; and,

25 a cover member disposed so as to cover the lower portions

of the associated input and output disks.